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anti-ARPC2 antibody (N-Term)



Image



Publication



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Quantity:	100 μL
Target:	ARPC2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARPC2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ARPC2
Sequence:	MVLNVYCCFF QISDIQTMKI NQTILKEFIL VGFSVYPHVQ TFLFVVFFCL
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ARPC2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target: ARPC2

Target Details

Alternative Name:	ARPC2 (ARPC2 Products)	
Background:	ARPC2 is one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein	
	complex has been implicated in the control of actin polymerization in cells and has been	
	conserved through evolution. The exact role of ARPC2, the p34 subunit, has yet to be	
	determined. This gene encodes one of seven subunits of the human Arp2/3 protein complex.	
	The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells	
	and has been conserved through evolution. The exact role of the protein encoded by this gene,	
	the p34 subunit, has yet to be determined. Two alternatively spliced variants have been	
	characterized to date. Additional alternatively spliced variants have been described but their ful	
	length nature has not been determined.	
	Alias Symbols: ARC34, PNAS-139, PRO2446, p34-Arc	
	Protein Interaction Partner: SUMO2, UBC, ARPC5L, AARSD1, PUS1, NIF3L1, THG1L, NSUN2,	
	SH3GLB1, LAP3, TPRKB, TNPO3, ANP32B, ACTR2, ACTR3, ARPC1B, ARPC3, ARPC4, ARPC5,	
	TOM1L1, FUBP1, SUMO1, TPD52L2, SH3GL1, RPA2, RPA1, RANGAP1, PRKACB, PRKACA,	
	PPP2R5D, PFDN5, PPP1R12A, MTR, METTL1, CALU	
	Protein Size: 300	
Molecular Weight:	33 kDa	
Gene ID:	10109	
NCBI Accession:	NM_005731, NP_005722	
UniProt:	015144	
Pathways:	RTK Signaling, Regulation of Actin Filament Polymerization	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 300 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	

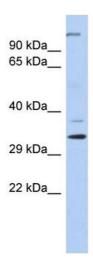
Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	

Product cited in:

Chiquet, Blanton, Burt, Ma, Stal, Mulliken, Hecht: "Variation in WNT genes is associated with non-syndromic cleft lip with or without cleft palate." in: **Human molecular genetics**, Vol. 17, Issue 14, pp. 2212-8, (2008) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-ARPC2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human brain